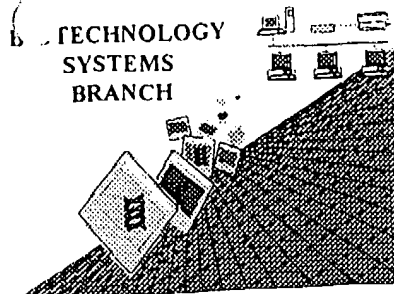


## RAW SEQUENCE LISTING ERROR REPORT



U4C0  
02-p7-d

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/759,287

Source: OIPE

Date Processed by STIC: 1-29-01

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

OIPE

RAW SEQUENCE LISTING                      DATE: 01/29/2001  
 PATENT APPLICATION: US/09/759,287              TIME: 16:45:37

Input Set : A:\Unl299-1.txt  
 Output Set: N:\CRF3\01292001\I759287.raw

3 <110> APPLICANT: The Board of Regents of the University of Nebraska  
 5 <120> TITLE OF INVENTION: IDENTIFICATION OF VIRULENCE DETERMINANTS  
 7 <130> FILE REFERENCE: UNL 2999.01  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/759,287  
 C--> 9 <141> CURRENT FILING DATE: 2001-01-11  
 9 <150> PRIOR APPLICATION NUMBER: US 60/175,433  
 10 <151> PRIOR FILING DATE: 2000-01-11  
 12 <160> NUMBER OF SEQ ID NOS: 6  
 14 <170> SOFTWARE: PatentIn version 3.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 20  
 18 <212> TYPE: DNA  
 19 <213> ORGANISM: Artificial/Unknown  
 21 <220> FEATURE:  
 22 <221> NAME/KEY: misc\_feature  
 23 <222> LOCATION: ()..()  
 24 <223> OTHER INFORMATION: Primer  
 27 <400> SEQUENCE: 1  
 28 ggctcagcgca ggcgaagccc  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 20  
 33 <212> TYPE: DNA  
 34 <213> ORGANISM: Artificial/Unknown  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: misc\_feature  
 38 <222> LOCATION: ()..()  
 39 <223> OTHER INFORMATION: Primer  
 42 <400> SEQUENCE: 2  
 43 gccaggtcca cactgccc  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 19  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Mycobacterium smegmatis  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: misc\_feature  
 53 <222> LOCATION: (1)..(19)  
 54 <223> OTHER INFORMATION: Transposon  
 57 <400> SEQUENCE: 3  
 58 tggtaacggg ctcttcgca  
 61 <210> SEQ ID NO: 4  
 62 <211> LENGTH: 19  
 63 <212> TYPE: DNA  
 64 <213> ORGANISM: Mycobacterium smegmatis  
 66 <220> FEATURE:  
 67 <221> NAME/KEY: misc\_feature  
 68 <222> LOCATION: (1)..(19)  
 69 <223> OTHER INFORMATION: Transposon

Does Not Comply  
 Corrected Diskette Needed

Valid <213> responses:

- 1 - Genus species<sup>20</sup>
- 2 - Artificial Sequence
- 3 - Unknown Sequence

Artificial sequences and Unknown sequences are separate entities, and must be labelled as such.

Both require <220>, <223> features<sup>19</sup>

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/759,287

DATE: 01/29/2001  
TIME: 16:45:37

Input Set : A:\Un1299-1.txt  
Output Set: N:\CRF3\01292001\I759287.raw

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72 <400> SEQUENCE: 4
73 tgcgaagagc ctgttaacg
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 23
78 <212> TYPE: PRT
79 <213> ORGANISM: Mycobacterium paratuberculosis
81 <400> SEQUENCE: 5
83 Arg Arg Thr Gly Pro Val Gly Ile Ser Ala Val Ala Ala Leu His Gly
84 1 5 10 15
86 Trp Ser Asp Ser Gly Gln Pro
87 20
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 23
91 <212> TYPE: PRT
92 <213> ORGANISM: Mycobacterium leprae
94 <400> SEQUENCE: 6
96 Gln Arg Thr Ala Pro Phe Gly Val Pro Ala Ala Asp Ala Leu Arg Gly
97 1 5 10 15
99 Trp Leu Asp Asp Gly Arg Pro
100 20
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VERIFICATION SUMMARY

DATE: 01/29/2001

PATENT APPLICATION: US/09/759,287

TIME: 16:45:38

Input Set : A:\Unl299-1.txt

Output Set: N:\CRF3\01292001\I759287.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date